

** TX STATUS REPORT **

AS OF MAR 04 '99 89:28

Note - This was P Paxed twice - table

Correct fax #'s - on 3/3/99 + 3/4/99.

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http://www.intelprop.com
info@raderfishman.com

RADER, FISHMAN & GRAUER PLLC

FAX RECEIVED

MAR 0 4 1998

GROUP 3600

Official

FAX room Confirmation # : 305-1427

To:	ATTN: Examiner V. Luoi	ng		
	BOX AF / Assistant Com	missioner for Patents		
	United States Patent and	Trademark Office		
		From:	Ronald P. Kananen	
Fax:	(703) 305-7687	Pages:	50 (including this cov	er page)
Phone	(703) 308-32	Date:	March 4, 1999	
Re:		. Cc.		
ال ال	ent 🛘 For Raview	Tease Comment	☐ Picase Reply	□ Please Recycle

This message is intended only for the use of the individual or entity to which it is addressed, and may contain information that is privileged, confidential and exempt from disclosure under applicable laws. If the reader of this message is not the intended recipient, or the employee or agent responsible for delivering the message to the intended recipient, you are hereby notified that any dissemination, distribution or copying of this communication is strictly prohibited. If you have received this communication in error, please notify us immediately by telephone and rotum original message to us at the above address via U.S. Postal Servico. Thank you.

Comments;

DC020533

PART (1) OF 50-Page document

Please deliver immediately to Examiner Luong. Thankyon.





BOX AF REISSUE APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re	the Reissue Application of)
SAT	OSHI KONO et al.) Official
U.S . 1	Patent No. 5,465,635) Group Art Unit: 3682
Reiss	ue Serial No. 08/629,547) Examiner: V. Luong
Reiss	ue Filed: April 9, 1996))
For:	FLYWHEEL ASSEMBLY FOR INTERNAL COMBUSTION ENGINE	FAX RECEIVED MAR 0 4 1998
	(as revised))
		GROUP 3600

REQUEST TO WITHDRAW ERRONEOUS NOTICE OF ABANDONMENT

Assistant Commissioner for Patents Box AF Washington, D.C. 20231

Sir:

This will acknowledge receipt of a Notice of Abandonment mailed February 25, 1999 in connection with the above-identified reissue application. Please withdraw that Notice of Abandonment and reinstate this reissue application, as indicating a Notice of Abandonment in an allowed application is erroneous. It is believed that no petition fee is required, but if a petition fee is needed, this will authorize charging the deposit account of the undersigned firm, Account No. 18-0013 for such petition fee. This action is taken to overturn an erroneous action by the PTO and is without prejudice to filing a petition to revive as unintentional in the unlikely event that this erroneous Notice of Abandonment is not withdrawn.

BOX AF REISSUE APPLICATION

The operative facts are as follows:

- 1. On May 5, 1998, a non-final Office Action was mailed. The Action indicated that the reissue application was in condition for allowance except for the presence of formal matters, so that prosecution on the merits was closed in accordance with the practice under Ex parte Quayle, and the usual two months period was set for reply. The only formal matter requiring attention was the submission of a clean copy of a substitute specification and the claims. A copy of the Action is enclosed as Appendix A.
- 2. On July 1, 1998, a full and timely response to the non-final Action of May 5, 1998 was filed. It constituted a Transmittal of Substitute Specification. A copy of the transmittal is provided as Appendix B. A copy of the substitute specification itself is not believed to be needed and is not in issue here. This paper constituted a full and timely response to the Action of May 5, 1998.
 - 3. No further Action has been received from the Examiner.
- 3. On August 31, 1998, a facsimile was received with appreciation from the Examiner transmitting a list of matters requiring attention and correction prior to a Notice of Allowance. A copy of this paper is attached as Appendix C. This paper did not constitute an Action in that it indicated on its face as follows:

Please respond as soon as possible. If I do not receive the response within two weeks from today, I will send you a second Ex parte Quayle Action. Thank you.

4. In the view of the undersigned, this facsimile of August 31, 1998 did not constitute an Action for which a response was required. But even if it did, the response of November 17, 1998 was timely and lacked only a request for a one-month extension of time.

BOX AF REISSUE APPLICATION

- 5. On September 10, 1998, the applicant's representative, Mr. Jeffrey Thompson, met with Examiner Luong to be certain that all of the information requested by the Examiner was understood. No mention was made of a time period of any kind then running. A copy of the Interview Summary of September 10, 1998 is attached as Appendix D.
- 6. On November 17, 1998, a paper captioned "Supplemental Amendment Transmittal" was filed purporting to be responsive to the Examiner's facsimile of August 31, 1998 and the discussions at the interviews of August 31, 1998 and September 10, 1998. It on its face reflects the understanding that no Office Action was then pending requiring a response. A copy of that submission is attached as Appendix E.
- 7. Withdrawal of the Notice of Abandonment is warranted and indicated in that the Action of May 5, 1998, purportedly not responded to according to the Notice of Abandonment, was in fact fully responded to by the response submitted on July 1, 1998. No other action or paper indicated a time for response was issued. All actions subsequent to the July 1, 1998 response were the result of helpful discussions with the Examiner through interviews and facsimile transmissions fully of record. Accordingly, it is the position of the undersigned that the Notice of Abandonment is erroneous and should be withdrawn.
- 8. A brief discussion was held today, March 3, 1999, with Examiner Luong and the foregoing facts presented. The Examiner asked that our position be submitted to him promptly

BOX AF REISSUE APPLICATION

for reconsideration of the Notice of Abandonment and tentatively indicated an agreement with our understanding of the record.

Respectfully submitted,

Dated: March 3, 1998

Ronald P. Kahanen Registration No. 24,104

RADER, FISHMAN & GRAUER P.L.L.C.

1233 20th Street, N.W., Suite 501 Washington, D.C. 20036 Telephone (202) 955-3750 Facsimile (202) 955-3751

DC:020517

APPENDIX A



UNITED & TATES DEPARTMENT OF COMMERCE Patent and Trademark Office

Address: COMMISSIONER OF PATENTS AND TRADEMARKS

Washington, D.C. 20231

APPLICATION NO. FILING DATE FIRST NAMED INVENTOR 08/629,547 04/09/96 ATS-032-CON/ PM31/0505 EXAMINER RONALD P KANANEN LUONG, V MARKS & MURASE SUITE 750 ART UNIT 2001 L STREET NW PAPER NUMBER WASHINGTON DC 20036

DATE MAILED: 05/05/98

Please find below and/or attached an Office communication concerning this application or proceeding.

Commissioner of Patents and Trademarks

882 8 0 YAM

•		,		
	Application No. 08/629,547	Applicant(s)	Takeheshi :	ot al
Office Action Summary	Examiner			
	Vinh Luci	ng	Group Art Unit 3622	
Responsive to communication(s) filed on 2/23/98				·
☐ This action is FINAL .				
Since this application is in condition for allowance e in accordance with the practice under Ex parte Qua	xcept for formal matters	s, prosecutio O.G. 213.	on as to the me	its is closed
A shortened statutory period for response to this action is longer, from the mailing date of this communication. application to become abandoned. (35 U.S.C. § 133). 37 CFR 1.136(a).	Failure to respond with	in the period	for response v	vill cause the
Disposition of Claims				
		ls/are	ending in the a	pplication.
Of the above, claim(s)		is/are w	ithdrawn from c	consideration.
Claim(s) 1-12, 16, 28, and 31				
Claim(s)				
Claim(s)				o.
☐ Claims				
Application Papers				
☐ See the attached Notice of Draftsperson's Patent	Drawing Review, PTO-	948.		•
☐ The drawing(s) filed onis/a	re objected to by the Ex	aminer.		
The proposed drawing correction, filed on 7/22	& <u>5/20/1997</u> is ⊠ ag	proved [disapproved.	
☐ The specification is objected to by the Examiner.				
☐ The oath or declaration is objected to by the Exa	miner.			
Priority under 35 U.S.C. § 119				
Acknowledgement is made of a claim for foreign				
	copies of the priority do	cuments hav	e been	
received.			•	
☑ received in Application No. (Series Code/S				
received in this national stage application f *Certified copies not received:	rom the international Bu	reau (PCT R	ule 17.2(8)).	
Acknowledgement is made of a claim for domest	ic nrighty under 25 H S	C 5 119/e)		··
	de priority ones 33 0.3	.0. 3 113(6)		
Attachment(s) Notice of References Cited, PTO-892				
☐ Information Disclosure Statement(s), PTO-1449, I	Paner Nots)			
☐ Interview Summary, PTO-413				

--- SEE OFFICE ACTION ON THE FOLLOWING PAGES --

 \square Notice of Draftsperson's Patent Drawing Review, PTO-948

 \square Notice of Informal Patent Application, PTO-152

Serial Number: 08/629,547

Page 2

Art Unit: 3622

The Amendment after Final filed on February 23, 1998 has been entered. 1.

2. Claims 1-12, 16, 28, and 31 are allowed.

The interlineations or cancellations made in the specification or amendments to the claims 3. could lead to confusion and mistake during the issue and printing processes. Accordingly, the portion of the specification or claims as identified below is required to be rewritten before passing the case

to issue. See 37 C.F.R. 1.125 and M.P.E.P. § 608.01(q).

The entire specification and all of the allowed claims are required to be rewritten.

Note that the substitute specification is required pursuant to 37 C.F.R. 1.125(a) because the 4. number or nature of applicant's amendments render it difficult to consider the application or to arrange the papers for printing or copying. 37 C.F.R. 1.125. A substitute specification filed under 37 C.F.R. 1.125(a) must only contain subject matter from the original specification and any previously entered amendment under 37 C.F.R. 1.121. If the substitute specification contains additional subject matter not of record, the substitute specification must be filed under 37 C.F.R. 1.125(b) and must be accompanied by: 1) a statement that the substitute specification contains no new matter, and 2) a marked-up copy showing the amendments to be made via the substitute specification relative to the specification at the time the substitute specification is filed.

5. The proposed drawing correction and/or the proposed substitute sheets of drawings, filed on July 22, 1997 and May 20, 1997 have been approved. Applicant is reminded that the Patent and Trademark Office no longer makes drawing changes and that it is applicant's responsibility to ensure

Serial Number: 08/629,547

Art Unit: 3622

Page 3

that the drawings are corrected in accordance with the instructions set forth in Paper No. 4, mailed on October 24, 1996.

- 6. This application is in condition for allowance except for the following formal matters: a clean copy of the substitute specification and allowed claims is required. Prosecution on the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213. A shortened statutory period for reply to this action is set to expire TWO MONTHS from the mailing date of this letter.
- Number is (703) 305-3597. Recognizing the fact that reducing cycle time in the processing and examination of patent applications will effectively increase a patent's term, it is to your benefit to submit responses by facsimile transmission whenever permissible. Such submission will place the response directly in our examining group's hands and will eliminate Post Office processing and delivery time as well as the PTO's mail room processing and delivery time. For a complete list of correspondence not permitted by facsimile transmission, see M.P.E.P. 502.01. In general, most responses and/or amendments not requiring a fee, as well as those requiring a fee but charging such fee to a deposit account, can be submitted by facsimile transmission. Responses requiring a fee which applicant is paying by check should not be submitting by facsimile transmission separately from the check. Responses submitted by facsimile transmission should include a Certificate of Transmission (M.P.E.P. 512). The following is an example of the format the certification might take:

I hereby certify that this correspondence is being facsimile transmitted to the Patent and
Trademark Office (Fax No. (703) 305-3597) on
(Date)
Typed or printed name of person signing this certificate:
(Signature)

Serial Number: 08/629,547

Page 4

Art Unit: 3622

If your response is submitted by facsimile transmission, you are hereby reminded that the original should be retained as evidence of authenticity (37 C.F.R. 1.4 and M.P.E.P. 502.02). Please do not separately mail the original or another copy unless required by the Patent and Trademark Office. Submission of the original response or a follow-up copy of the response after your response has been transmitted by facsimile will only cause further unnecessary delays in the processing of your application, duplicate responses where fees are charged to a deposit account may result in those fees being charged twice.

8. Any inquiry concerning this communication or earlier communications from the examiner should be directed to whose telephone number is (703) 308-3221. The examiner can normally be reached on Monday-Thursday from 7:30 AM EST to 6:00 PM EST. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Charles Marmor, can be reached on (703) 308-0830. The fax phone number for this Group is (703) 305-3597 or (703) 305-3598.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Group receptionist whose telephone number is (703) 308-2168.

Luong

April 28, 1998

VINH T. LUONG
PRIMARY EXAMINER
ART UNIT 352

APPENDIX B

	Amendment New Appln. Pgs. Spec. Cert. Copy	JUL - 1998		ment	DATE & RETURN \$ Claims
x	Substitute :	Specificat	ion and Tra	nsmittal	
e:	07/05/98 Courier		In	itial:	RPK:JLT:JF

ATS-032/REISSUE

BOX AF
REISSUE APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Reissue Application of)	
SATOSHI KONO et al.	·)	
U.S. Patent No. 5,465,635) Group Art Unit: 350	2
Reissue Serial No. 08/629,547) Examiner: V. Luong	ii
Reissue Filed: April 9, 1996)	
For: FLYWHEEL ASSEMBLY FOR INTERNAL COMBUSTION ENGINE (as revised))))	

TRANSMITTAL OF SUBSTITUTE SPECIFICATION

Assistant Commissioner for Patents Box AF Washington, D.C. 20231

Sir:

Attached hereto is a Substitute Specification, as requested by the Examiner on page 2 of the Office Action under Ex parte Quayle mailed May 5, 1998 (Paper No. 18). This Substitute Specification incorporates all of the changes made in the original reissue specification, the Second Supplemental Amendment filed on July 22, 1997, and the Amendment After Final filed on February 23, 1998. This Substitute Specification does not introduce any changes other than those previously entered by the Examiner.

Serial No. 08/629,547 Docket No. ATS-032/REISSUE

REISSUE APPLICATION

Prompt issuance of a Notice of Allowance is now respectfully requested.

Respectfully submitted,

Dated: July 1, 1998

Renald P. Kananen Registration No. 24,104

RADER, FISHMAN & GRAUER PLLC

1233 Twentieth Street, N.W. Suite 501 Washington, D.C. 20036 Telephone (202) 955-3750 Facsimile (202) 955-3751

Dc010821

APPENDIX C

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Ø 001



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Group 3500 Facsimile Transmission

Serial No.: 08/629 547 Date: 8/31/98
Paper No. (if any): 23 Acty Dkt. No. (if any): ATS 032 CON/
TO: Mr RONALD P. KANANEN
Firm or corporation: RADER, FISHMAN & GRAVER
Fax Number: (202) 955-3751
Number of pages including cover sheet: 4
From: Examiner Luong
Are Unit: 3622
Telephone Number: (703) 308 - 3221
Group facsimile numbers: (703) 305-3597 or 3598. Group receptionist number: (703) 308-2168.
Remarks: PLEASE RESPOND AS SOON AS POSSIBLE
IF I DO NOT RECEIVE THE RESPONSE WITHIN TWO
WEEKS FROM TODAY I WILL SEND YOU A SECOND
EX PARTE QUALE ACTION, THANK YOU.

CONFIDENTIALITY NOTICE

This factimate is intended only for the use of the individual or entire the object of the individual or entire the confidencial and exempt from disclosure information that is in individual information is protected apparent with the index applicable into the individual information is protected apparent with the index applicable into the individual i

anformation is protected against willful and anlative consequences of the consequences

AUG 31 '98 17:06

•				•
	Application No. 08/629,547	Applicant(s)	Takahashi	et al.
Interview Summary	Examiner Vinh Luca	9	Group Art Unit 3622	
All participants (applicant, applicant's representative, PT	O personnell:			
(1) Vinh Luong	(3)			
(2) Ronald P. Kananen	(4)		•	10
Date of Interview				
Type: 🖾 Telephonic 🗆 Personal (copy is given to Exhibit shown or demonstration conducted: 🗆 Yes		,	resentativo).	
Agreement was reached. was not reached. Claim(s) discussed: 5 and 6. Identification of prior art discussed: None,				-
Description of the general nature of what was agreed to The examiner informed the applicant about the issues to attached list faxed to applicant on August 31, 1998. Applicant and response.	be considered and consplicant agreed to cons	rected prior	to allowance a	s secn in the
(A fuller description, if necessary, and a copy of the ame the claims allowable must be attached. Also, where no is available, a summary thereof must be attached.) 1. It is not necessary for applicant to provide a sepundence of the paragraph above has been checked to indicate LAST OFFICE ACTION IS NOT WAIVED AND MUST INC.	copy of the amendent arate record of the sul e to the contrary, A FO	s which wou ostance of th ORMAL WRI	old render the control interview. TTEN RESPONS	laims allowable SE TO THE
Section 713.04). If a response to the last Office action to FROM THIS INTERVIEW DAYS TO FILE A STATEMENT OF THE ACTION OF THE PROPERTY OF THE	has already been filed,	APPLICANT	IS GIVEN ON	E MONTH

2. U Since the Examiner's interview summary above (including any attachments) reflects a complete response to each of the objections, rejections and requirements that may be present in the last Office action, and since the claims are now allowable, this completed form is considered to fulfill the response requirements of the last Office action. Applicant is not relieved from providing a separate record of the interview unless box 1 above is also checked.

VINH LUONG PRIMARY EXAMINER **ART UNIT 3622**

Examiner Note: You must sign and stamp this form unless it is an attachment to a signed Office action.

Interview Summary

23 Paper No.

U. S. Patent and Tradomark Office

PTO-413 (Rev. 10-95)

Ø 003

Application/Control Number: 08/629,547

Page 2

Art Unit: 3622

ISSUES TO BE CONSIDERED & CORRECTED PRIOR TO ALLOWANCE.

- Submit a certificate under 37 C.F.R. 3.73(b). See M.P.E.P. 324 and 1410.01. 1.
- Correct the errors in the substitute claims in Paper No. 21 filed on July 1, 1998: 2.
 - (a) claim 5, line 21, the comma should be underlined; and
 - (b) claim 6:
- (1) line 4, "which" (original claim language) has not been included in the claim. If it is to be deleted, it should be enclosed in square brackets. If it is to remain in the claim, it should be reinscreed without markings of any kind since it was in the original claim. Note that inserting words by red ink is no longer permitted; and
- (2) line 6, "engageable" should be enclosed in square brackets, and "engaging" should be inserted. This amendment was made at many other places in the claims and should be made here to avoid 35 USC 112 problems and for consistency.
- A new supplemental declaration must be submitted to cover the amendment after final filed 3. on February 23, 1998 (Paper No. 15). In the first full paragraph on page 6 of Paper No. 15, applicant indicated that applicant would submit the supplemental declaration, however, it has not been received.
- 4. There is no reference to the basis in the original disclosure for each amendment when originally submitted as required under 37 C.F.R. 1,175(b)(2)(iii). Applicant should provide the basis in his Supplemental Response/Amendment prior to allowance.

2029553751 TO 97033057687 **GROUP 3500 USPEO**

P.20/22

Ø 004

Application/Control Number: 08/629,547

Page 3

Art Unit: 3622

5. The reissue declarations (original and supplemental) do not provide the residence, post office address, and country of citizenship of each inventor as required by 37 C.F.R. 1.63(a)(3) and 1.175(c). The new supplemental declaration mentioned by applicant in Paper No. 15 should include this information.

Luong

August 31, 1998

AUG 31 '98 17:07

NOT ----

APPENDIX D



•	08/629,547	Applicant(s)	Takahashi et al.		
Interview Summary	Examiner Vinh Luc		Group Art Unit 3622		
All participants (applicant, applicant's representativ	e, PTO personnel):				
1) Vinh Luong	(3)				
2) Jeffrey Thompson (Reg. No. 37,025)	(4)				
Date of Interview9/10/98					
ype: Telephonic Personal (copy is given	n to 🗌 applicant 🛛 ap	oplicant's represen	tative).		
xhibit shown or demonstration conducted: 🔲 Y	es 🛭 No. If yes, brief o	description:			
Agreement 🛛 was reached. 📋 was not reached					
Claim(s) discussed: all of the pending claims.					
dentification of prior art discussed: Vone.					
(A fuller description, if necessary, and a copy of the claims allowable must be attached. Also, where available, a summary thereof must be attached.)	re no copy of the amenden	, which the examin ts which would re	ner agreed would render nder the claims allowable		
. 🛭 It is not necessary for applicant to provide					
Unless the paragraph above has been checked to in AST OFFICE ACTION IS NOT WAIVED AND MUS Section 713.04). If a response to the last Office a FROM THIS INTERVIEW DATE TO FILE A STATEM	IT INCLUDE THE SUBSTAN ction has already been filed	ICE OF THE INTER I, APPLICANT IS G	VIEW. (See MPEP SIVEN ONE MONTH		
 Since the Examiner's interview summary a each of the objections, rejections and requ claims are now allowable, this completed f Office action. Applicant is not relieved fro is also checked. 	forments that may be presented to fulfill	ent in the last Offic the response requi	e action, and since the rements of the last		
Examiner Note: You must sign and stamp this form unless	it is an attachment to a signed	Office action.	VINH LUONG PRIMARY EXAMINE ART UNIT 3622		

1233 20th Street Suite 501 Washington, D.C. 20036 Telephone (202) 955-3750 Facsimile (202) 955-3751 http://www.intelprop.com info@raderfishman.com

RADER, FISHMAN & GRAUER PLLC

Fax

FAX RECEIVED MAR 0 4 1998 GROUP 3600

Official

Ta:	ATTN	l: Examiner V. Luo	ng			
	вох	AF / Assistant Com	missioner for Pat	ents		
	Unite	d States Patent and	Trademark Offic	e		
				From:	Ronald P. Kananen	
Faxc	(703)	305-7687		Pages:	50 (including this cov	ver page)
Phone	<u> </u>			Date:	March 4, 1999	
Rei				CC:		
□ Urg	jent	☐ For Review	□ Please Con	nment	☐ Picase Reply	☐ Please Recycle
privilege recipient	ed, confid t, or the e semination ease noti	ental and exempt from amployee or agent respo - distribution or conduc-	disdesure under app ensible for delivering to the communication	plicable kav he messag m ls shicily	rs, it the reader of this m is to the intended recipient. monthibited. If you have rec	ly confain information that is nessage is not the intended you are hereby notified that zived this communication in ress via U.S. Postal Service.

• Comments:

DC020533

PART 2 OF 50-PAGE DOCUMENT

Please deliver innedictely to Examiner Luong. Thank you. APPENDIX E

Docket No. ATS-032/REISSUE File No. 80018.012 Re: Satoshi KONO, et al. For: "FLYWHEEL ASSEMBLY FOR INTERNAL COMBUSTION ENGINE" Reissue Serial No. 08/629,547 Decl. of Use **§**8 §15 TM Renewal Main. Fee Assignment Sm. Entity Decl RETURNA Issue Fee Discl. Statement Amendment Check for \$ New Appln. Declaration Pgs. Spec. Sht. Drwg. Claims Cert. Copy of X Substitute Dages Second Suppl. Reissue Declaration Cert. Copy of Certificate Under 37 CFR 3.73(b) × Due: DA Ş Initial: RPK:mkp VIA: Courier х Mail Other: DC016170

4

BOX AF
REISSUE APPLICATION

In re Application of:

Docket No. ATS-032/REISSUE

Satoshi KONO, et al.

U.S. Patent No. 5,465,635

Examiner: V. Luong

Reissue Serial No. 08/629,547

Group Art Unit: 3622

Reissue Filed: April 9, 1996

FAX RECEIVED

Date: November 17, 1998

GROUP 3600

MAR 0 4 1998"

For: FLYWHEEL ASSEMBLY FOR

INTERNAL COMBUSTION ENGINE

(as revised)

ASSISTANT COMMISSIONER FOR PATENTS

Box AF

Washington, D.C. 20231

Sir:

Transmitted herewith is an amendment in the above-identified application.

No additional fee is required.

The fee has been calculated as shown below

		CLA	MS AS AMENDE	D		
	CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NO. PREVIOUSLY PAID FOR	PRESENT EXTRA	RATE	ADDITIONAL FEE
TOTAL CLAIMS	15	MINUS	46	=0	x \$11 \$22	0
INDEP. CLAIMS	5	MINUS	8	=0	x \$41 \$82	0
Fee for Mu	ltiple Dependent Cla	ims \$135/\$27	0			
			TOTAL ADDITI			0

* If the entry in Column 2 is less than the entry in Column 4, write "0" in Column 5.

** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, write "20" in this space

*** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 3, write "3" in this space.

	A Letter to the Official Draftsperson is enclosed.
	A Change of Address is enclosed.
	Charge \$ to Deposit Account No. 18-0013. A duplicate copy of this sheet is enclosed.
区	Any prior general authorization to charge an issue fee under 37 C.F.R. 1.18 to Deposit Account No. 18-0013 is hereby revoked. The Commissioner is hereby authorized to charge any additional fees under 37 CFR 1.16 and 1.17 which may be required during the entire pendency of this application, or to credit any overpayment, to Deposit Account No. 18-0013. A duplicate copy of this sheet is enclosed.
0	Charge \$ to Deposit Account No. 18-0013 to cover the Extension fee for response within month(s).
X	Applicant's undersigned attorney may be reached by telephone in our Washington D.C. Office at
	(202) 955-3750
	All correspondence should be directed to our below listed address Royald 2 Kananen

RADER, FISHMAN & GRAUER PLLC 1233 20TH Street, N.W., Suite 501 Washington, DC 20036

Telephone: (202) 955-3750
Facsimile: (202) 955-3751

DC016119

ATS-032/REISSUE

BOX AF REISSUE APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Reissue Application of)	
)	•
SATOSHI KONO et al.)	
)	
U.S. Patent No. 5,465,635)	Group Art Unit: 3622
)	•
Reissue Serial No. 08/629,547)	Examiner: V. Luong
)	
Reissue Filed: April 9, 1996)	
	-)	
For:	FLYWHEEL ASSEMBLY FOR)	
	INTERNAL COMBUSTION ENGINE)	
	(as revised))	

SUPPLEMENTAL AMENDMENT AFTER FINAL

Assistant Commissioner for Patents Box AF Washington, D.C. 20231

Sir:

In response to the Examiner's facsimile transmission dated August 31, 1998, and the interviews between the Examiner and the Applicant's representatives on August 31 and September 10, 1998, it is respectfully requested that the above-referenced reissue application be further amended as follows:

IN THE SUBSTITUTE CLAIMS:

Please amend/correct the errors in the substitute claims filed on July 1, 1998, as follows (a copy of substitute pages 8, 9 and 10 with these changes incorporated therein is attached):

REISSUE APPLICATION

Claim 3, line 2, change "engageable" into --engaging [engageable]--.

Claim 5, line 21, underline the comma.

Claim 6, line 4, reinsert the term "which" before "faces";

line 6, change "engageable" into --engaging [engageable]--.

REMARKS

This is in response to the fax communication from the Examiner dated August 31, 1998, and the interviews with the Examiner on August 31 and September 10, 1998. Entry of the foregoing amendments and corrections are respectfully requested.

By the foregoing amendment, claims 3, 5 and 6 have been amended or corrected. Claims 1 to 12, 16, 28 and 31 remain pending in this reissue application. Claims 13 to 15, 17 to 27 and 32 to 42 were previously canceled.

The amendments and corrections stated above were requested by the Examiner on page 2 of the August 31, 1998, fax communication. These amendments and corrections are incorporated into the substitute pages 8, 9 and 10 attached to the end of this response, which provide the entire text of the claims being amended and corrected.

A Certificate Under 37 C.F.R. 3.73(b) is also being filed herewith, as requested by the Examiner, to show the chain of title from the inventors to the current assignee, Unisia Jecs Corporation. The information shown in the Certificate Under 37 C.F.R. 3.73(b) was previously

REISSUE APPLICATION

available in the PTO file for this application, and in the Abstract of Title requested in the original reissue application papers.

A Second Supplemental Reissue Declaration is being filed herewith to cover the changes made in the Amendment After Final filed on February 23, 1998, and the further changes made in this Supplemental Amendment After Final. The Second Supplemental Reissue Declaration also provides the residence, post office address, and country of citizenship of each inventor, as requested by the Examiner.

It is respectfully submitted that each amendment made to the issued patent through this reissue application has a basis in the original disclosure. To the extent that reference has not already been made to the basis in the original disclosure for each amendment, the following additional remarks are provided. For convenience, all references to the specification below are to the page and line numbers that appear in the substitute specification filed on July 1, 1998. The identified portions of the substitute specification have corresponding portions in the specification of the original patent application.

With respect to the change in the title of the invention and in the preamble of the claims, the terms "flywheel" and "flywheel assembly" were used throughout the original specification and claims of this application (e.g., page 1, line 11, page 4A, line 1, and claim 9, line 1). The preamble of claims 1 to 8 of the issued patent recited a "flywheel," while the preamble of claims 9 to 12 recited a "flywheel assembly." Since all of the claims as amended are directed to a flywheel assembly rather than a crankshaft assembly, the title was changed to be consistent with the claimed subject matter. Similar changes were made on page 3B, line 1, and

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page 6, line 29, of the substitute specification to change "crankshaft assembly" into --flywheel assembly." Similar changes were also made to the preamble of claims 1 to 8 to change "flywheel" into --flywheel assembly" for consistency throughout the claims.

The editorial changes made on page 3A, line 37, and page 5, line 2, of the substitute specification were to correct obvious informalities that occurred during printing by the Patent & Trademark Office.

The phrases "of this example" and "in this example" were inserted on page 3B, lines 9, 20 and 22-23, for grammatical clarity. The basis for these changes is that two embodiments or examples were disclosed in the original application (e.g., page 3B, line 5, and page 6, line 30). These changes are editorial in nature and do not change the substance of the disclosure.

The basis for the elastic plate being fixed "at its inner portion 2f" to one "shaft" end of the crankshaft 1, as recited on page 3B, line 10, of the substitute specification, is found in original Fig. 1 of the drawings and can be implied from the specification at page 3B, lines 9 to 11. The inner portion 2f of the elastic plate 2 is clearly shown in Fig. 1 of the original drawings as being fixed to the shaft end of the crankshaft 1 by bolts 3.

The changes made on page 3B, lines 11 to 14, were made for clarity and to provide proper antecedent basis for the claimed subject matter. The elastic plate 2 has an outer peripheral portion 2b, as shown in Fig. 1 of the drawings and stated in the specification at page 3B, lines 11 to 13. The outer peripheral portion 2b is formed with an axially extending "flange" 2a, as shown in Fig. 1 and implied from the specification at page 3B, line 13. The phrase "is

REISSUE APPLICATION

formed at its" has been deleted for clarity since this phrase implies that antecedent basis has already been given for the outer peripheral portion. The term "edge" has been deleted in line 12 to help distinguish the outer peripheral portion 2b of the elastic plate 2 from the outer peripheral edge portion of the reinforcing member 4. The term "section" has been changed to --flange-- in line 13 to more clearly reference the axially extending flange 2a shown in Fig. 1. All of these changes are essentially editorial in nature and have a basis in Fig. 1 of the original drawings and in the portions of the specification identified above.

The changes made on page 3B, lines 20 to 26, were also made for clarity and to provide proper antecedent basis for the claimed subject matter. The "received portion" 4a recited in line 20 is described as being cylindrical and was referred to in the original specification as a "cylindrical section 4a." The "outwardly extending flange 4b" recited in lines 23 to 24 is clearly shown in Fig. 1 and implied in the specification at page 3B, lines 23 to 24. The inner portion 2f of the elastic plate 2 being clamped between the reinforcing member 4 and the shaft end of the crankshaft 1, as recited in lines 25 to 26, is also clearly shown in Fig. 1 and implied in the specification at page 3B, lines 17 to 18. Thus, all of these changes have a basis in Fig. 1 of the original drawings and can be implied from the specification.

The changes made to page 4A were also made for clarity and to provide proper antecedent basis for the claimed subject matter. The term "edge" was deleted on page 4A, line 2, for consistency with the change made on page 3B, line 12. The "inner portion 5h" of the flywheel body 5, as recited on page 4A, line 6, is clearly shown in Fig. 1 and was referred to in the original disclosure as a "stepped inner peripheral edge surface" (page 4A, lines 6 to 7), which

REISSUE APPLICATION

implies essentially the same structure. The phrase "central mounting hole 5b" in line 7 stems from the phrase "mounting opening 5b" in the original disclosure (page 4A, line 7), which implies essentially the same structure. The central mounting hole 5b is clearly shown in Fig. 1 of the drawings. The "cylindrical received portion 4a" recited on page 4A, line 8, is based on the corresponding change made on page 3B, line 20. The inner peripheral surface of the flywheel body 5 being "stepped," as recited on page 4A, lines 9 to 10, has a basis in the original text of this same sentence. The first, second, and third surface sections 5c, 5d, and 5e recited on page 4A, lines 10 to 13, are clearly shown in Fig. 1 of the drawings. This change is editorial in nature. The cylindrical received portion 4a being "axially extending," as recited on page 4A, lines 14 and 15, is supported by the original term "axial section 4a" in line 14, as well as Fig. 1 of the drawings. The term "radial outward flange 4b" recited on page 4A, line 17, is based on the corresponding change made on page 3B, lines 23 to 24. The term "predetermined clearance 10" recited on page 4A, lines 19 to 20, is supported by the original term "predetermined distance" in this same sentence, as well as Fig. 1 of the drawings. The term "predetermined clearance 11" recited on page 4A, line 24, is supported by the original term "predetermined distance" in this same sentence, as well as Fig. 1 of the drawings. The term "flywheel body 5" on page 4A, lines 20 to 21 and 22, is supported by the original text on page 4A, line 1. The term "radially extending first side surface 5f" recited on page 4A, lines 21 to 22, was added for clarity and is supported by the original text of this same sentence and Fig. 1 of the original drawings. The term "radially extending side surface 5g," as recited on page 4A, lines 26 to 27 and 28 to 29, was added as an editorial change for consistency in describing the side surfaces 5f, 5g of the flywheel

REISSUE APPLICATION

body 5. The radially extending side surface 5g being "an engaging surface," as recited on page 4A, line 29, has a basis in the original text which describes the surface 5g as being engageable with the clutch facing 8 (e.g., page 4A, lines 29 to 30), and also in Fig. 1 of the drawings which shows the surface 5g engaged with the clutch facing 8. Therefore, all of the changes shown on page 4A of the substitute specification are either editorial in nature or have a basis in the text or drawings of the original disclosure.

The term "radial surface 5g" has been changed to --radial engaging surface 5g" throughout the specification and claims following the change made on page 4A, line 29. As stated above, this change has a basis in the original text which describes the surface 5g as being engageable with the clutch facing 8 (e.g., page 4A, lines 29 to 30), and also in Fig. 1 of the drawings.

Claim 1 was amended to delete the phrase "to a driven unit" and to add the phrase "through said flywheel assembly." These changes are supported by the original specification and drawings, which make clear that engine torque is transmitted from the crankshaft 1 through the flywheel assembly to the clutch disc 9 (see page 4B, first paragraph, and Fig. 1).

Claim 5 has been amended to claim that the "cylindrical portion of said reinforcing member is sized to allow" the first portion of the flywheel body "to slide" axially. These changes are supported by the original claim 1 which recites that the flywheel body is slidably mounted, and also by the specification which recites that the cylindrical portion 4a of the reinforcing member 4 is "in a slidable contact" with the flywheel body (page 4A, lines 15 to 17), and that the reinforcing member 4 allows "axial movement of the flywheel" body 5 (page 4A,

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lines 20 to 21).

Claim 6 has been amended to change "elastic plate" into --flywheel body--. This amendment has a basis in the specification at page 4A, lines 5 to 25, and in Fig. 1 of the drawings.

Claim 9 has been amended to change "elastic member" into --elastic plate--. This change is consistent with the terminology in the specification at page 3B, line 8, which refers to the elastic plate 2. Claim 9 has also been amended to change the term "driving shaft" into -- crankshaft--. This change is consistent with the terminology in the specification at page 3B, lines 9 and 10. Claim 9 has also been amended to change the term "flywheel member" into --flywheel body--. This change is consistent with the terminology in the specification at page 4A, line 1. Claim 9 was also amended to change the terms "first end" and "second end" into --first member end-- and --second member end--. These changes were made to clarify that the ends of the reinforcing member 4 are being recited in the claim, which is clear from Fig. 1 of the drawings. Similar changes were made throughout dependent claims 10 to 12 for consistency. These changes have the same basis in the original disclosure as the corresponding changes made to claim 9.

Claim 11 was further amended to change "flanges" into --flange--. This editorial change was made to clarify a grammatical informality. Support for this change can be found in the specification on page 4A, lines 14 to 25.

New claims 16 and 31 each recite that "said elastic plate is clamped axially between said reinforcing member and said shaft end of said crankshaft." This feature of the

REISSUE APPLICATION

Applicants' invention is shown in Fig. 1 where the elastic plate 2 is clamped axially between the reinforcing member 4 and the shaft end of the crankshaft 1. Support for this feature is also found in the specification at page 3B, lines 17 to 18. The remaining portions of these claims 16 and 31 have a basis in the corresponding portions of the Applicants' original claims, as well as throughout the original specification and drawings. New claim 28 has substantially the same text as the Applicants' original claim 3.

For at least these reasons, it is respectfully submitted that this reissue application is now in condition for allowance. Early issuance of a Notice of Allowance is respectfully requested.

If the Examiner has any questions or comments that could place this application into even better form, he is encouraged to contact the Applicants' undersigned representative at the number listed below.

Dated: November 17, 1998

Registration No. 24,104

Respectfully submitted,

RADER, FISHMAN & GRAUER P.L.L.C.

1233 20th Street, N.W. Suite 501 Washington, D.C. 20036 Telephone (202) 955-3750 Facsimile (202) 955-3751

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 A flywheel <u>assembly</u> for a power transmission system for transmitting engine torque [to a driven unit], comprising:

an elastic plate secured to a crankshaft to rotate therewith;

a flywheel body secured to said elastic plate and having an engaging [engageable] surface for engaging with a clutch disc; and

a reinforcing member for reinforcing said elastic plate at a portion of said elastic plate which is secured to said crankshaft;

said elastic plate having an axial rigidity in the range of 600 kg/mm to 2200 kg/mm so as to ensure transmission of engine torque through said flywheel assembly [to said driven unit] while decreasing noise produced by a bending vibration of said crankshaft;

wherein each of said elastic plate, said flywheel body and said reinforcing member comprises a first portion, said first portion of said flywheel body being placed axially between said first portions of said elastic plate and said reinforcing member, and said first portions of said elastic plate, said flywheel body and said reinforcing member defining clearances for allowing said first portion of said flywheel body to move axially between said first portions of said elastic plate and said reinforcing member.

- 2. A flywheel <u>assembly</u> as set forth in claim 1, wherein said axial rigidity is in the range of 600 kg/mm to 1700 kg/mm.
- 30 3. A flywheel <u>assembly</u> as set forth in claim 2, wherein an axial run-out of said <u>engaging</u> [engageable] surface when rotated by said crankshaft is no more than 0.1 mm.

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4. A flywheel <u>assembly</u> according to claim 1, wherein said reinforcing member (4) and said elastic plate (2) are fastened to said crankshaft (1) by a fastening means (3), and said elastic plate is clamped between said crankshaft and said reinforcing member.

5. A flywheel assembly according to claim 4, wherein said elastic plate is circular and comprises an outer peripheral portion (2b) surrounding said first portion of said elastic plate, so that said first portion of said elastic plate is an inner portion of said elastic plate, said flywheel body comprises an outer peripheral portion (5a) which surrounds said first portion of said flywheel body, so that said first portion of said flywheel body is an inner portion of said flywheel body, said outer peripheral portions of said elastic plate and said flywheel body are fastened together by a second fastening means (6), said inner portion of said flywheel body comprises an inwardly facing inside cylindrical surface defining a central circular hole (5b), said reinforcing member comprises a cylindrical portion (4a) which is received in said circular hole (5b) of said flywheel body, and comprises an outwardly facing outside cylindrical surface surrounded by said inwardly facing cylindrical surface of said flywheel body, said first portion of said reinforcing member is in the form of an outward flange (4b), said first portion of said flywheel body is [slidably] mounted on said cylindrical portion of said reinforcing member [so that], and said cylindrical portion of said reinforcing member is sized to allow said first portion of said flywheel body [is] to slide axially [slidable] between said inner portion of said elastic plate and said outward flange of said reinforcing member.

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- 6. A flywheel assembly according to claim 4, wherein said inner portion of said flywheel body comprises a first surface (5f) which is substantially parallel to said engaging [engageable] surface (5g) and which faces toward said elastic plate, and a second surface (5d) which is substantially parallel to said engaging [engageable] surface and which faces toward said outward flange of said reinforcing member, said inner portion of said elastic plate comprising an abutting surface confronting said first surface of said flywheel body and limiting an axial movement of said inner portion of said flywheel body [elastic plate] by abutting against said first surface of said flywheel body, said outward flange of said reinforcing member comprises an abutting surface confronting said second surface of said flywheel body and limiting the axial movement of said inner portion of said flywheel body by abutting against said second surface of said flywheel body, an axial distance between said first and second surfaces of said flywheel body is smaller than an axial distance between said abutting surfaces of said elastic member and said reinforcing member.
- 7. A flywheel <u>assembly</u> according to claim 6, wherein said second surface (5d) of said inner portion of said flywheel body is located axially between said first surface (5f) and said <u>engaging</u> [engageable] surface (5g) of said flywheel body.
- 8. A flywheel <u>assembly</u> for a power transmission system for transmitting engine torque [to a driven unit], comprising:
- an elastic plate secured to a crankshaft to rotate therewith;
 - a flywheel body secured to said elastic plate and having an engaging [engageable] surface for engaging with a clutch

ATS-032/REISSUE

BOX AF REISSUE APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Reissue Application of)	
)	
SATOSHI KONO et al.)	
II S December 5 465 625)	
U.S. Patent No. 5,465,635)	Group Art Unit: 3622
Reissue Serial No. 08/629,547	j	Evenines V I
100000 Della 140. 00/02/,547)	Examiner: V. Luong
Reissue Filed: April 9, 1996	j	
•	í	
For: FLYWHEEL ASSEMBLY FOR)	
INTERNAL COMBUSTION ENGINE)	
(as revised))	•

SECOND SUPPLEMENTAL REISSUE DECLARATION

Assistant Commissioner for Patents Box AF Washington, D.C. 20231

Sir:

As a below named inventor, I hereby declare that:

1. My residence, post office address, and citizenship are as stated below next to my name, I believe I am an original, first and joint inventor of the subject matter that is described and claimed in letters patent number 5,465,635, granted on November 14, 1995, and in the subject matter in the amendment filed on February 23, 1998, and the amendment filed herewith, and for which invention I solicit a reissue patent.

Docket No. ATS-032/REISSUE Serial No. 08/629,547

REISSUE APPLICATION

- 2. I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, I acknowledge the duty to disclose information that is material to the examination of this application, namely, information where there is a substantial likelihood that a reasonable examiner would consider it important in deciding whether to allow the application to issue as a patent.
- 3. I verily believe the original patent to be partly or wholly inoperative or invalid by reason of the patentee claiming more or less than the patentee had a right to claim in the patent (37 C.F.R. 1.175(a)(1)).
- 4. That all errors that are being corrected in this reissue application, up to the time of filing of this second supplemental reissue declaration, arose without any deceptive intention on the part of the applicant (37 C.F.R. 1.175(a)(2)).
- 5. I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Docket No. ATS-032/REISSUE Serial No. 08/629,547

REISSUE APPLICATION

Shark	10/22/1998
ス <i>K /0/2</i> フ// Date:	1998 10 11998

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Date: 11/01/1998

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PTO/SB/ 96 (10/92)

CERTIFICATE UNDER 37 CFR 3.73(b)		
Applicant Satoshi Kono et al.		
Application No.: 08/629,547	Filed: April 9, 1996	
Entitled: FLYWHEEL ASSEMBLY FOR INTERNA	L COMBUSTION ENGINE (as revised)	
UNISIA JECS CORPORATION	,a Corporation	
(Places of Antigons)	(Type of Actions, e.g., corporation, perturbile, university, government squeey, etc.)	
certifies that it is the easignee of the entire right, title and it	sterest in the patent application identified above by virtue of either.	
	pplication identified above. The assignment was recorded in the Frame, or for which a copy thereof is attached.	
OR		
B. [X] A chain of title from the inventor(s), of the patent s	pplication identified above, to the current assignee as shown below:	
1. Prome the inventors	To: Atsugi Unisia Corporation	
The document was recorded in the Patent and Reel 5331 Frame 0201, or for with	Trademark Office at sich a copy thereof is attached.	
2 From Atsugi Unisia Corporation		
The document was recorded in the Panent and Reel 7967 Frame 0627 or for wh	Trademark Office at lich a copy thereof is attached.	
3. From	•	
The document was recorded in the Patent and	Trademark Office at	
Real, Frame, or for wh		
() Additional documents in the chain of title are	listed on a supplemental sheet.	
[X] Copies of assignments or other documents in the chain	of title are attached.	
The undersigned has reviewed all the documents in the chain of title of the patent application identified above and, to the best of undersigned's knowledge and helicf, title is in the assignee identified above		
The undersigned (whose title is supplied below) is empowe	ered to zign this certificate on behalf of the azzignee.	
I hereby declare that all statements made herein of my own knowledge are true, and that all statements made on information and belief are believed to be true; and further, that them statements are made with the knowledge that willful false statements, and the like so made, are punishable by fine or imprisonment, or both, under Section 1001. Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon. 10/20/1998		
Date	Signature	
_	YOI) Ito Typed or printed name	
	General Manager, Intellectual	
	Title Property Dept.	

ASSIGNMENT

In consideration of the sum of One Dollar (\$1.00) in hand paid, and other good and valuable consideration, the receipt of which is hereby acknowledged, the undersigned, Satoshi Kono, Shizuaki Hidaka and Tetsu Takahashi Inventor(s) full name(s) hereby sell, assign and transfer to ATSUGI UNISIA CORPORATION of 1370, Onna, Atsugi-shi, 1. Assignee Kanagawa-ken, Japan Name and Address (hereinafter called the Assignee) the entire right, title, and interest in and to any and all improvements which are disclosed in the application for United States Letters Patent entitled CRANKSHAFT ASSEMBLY FOR INTERNAL COMBUSTION ENGINE Title of lovention which application was (a) executed by the undersigned on the 16th day of May, 1990 Complete either (a) or (b) day of February, 1990, Serial No. 485,659 (b) filed on the_ including any and all United States Letters Patents which may be granted therefor and any and all extensions, divisions, reissues, substitutes, renewals or continuations thereof, and the right to all benefits under the International Convention for the Protection of Industrial Property. It is hereby authorized and requested that the Commissioner of Patents issue any and all of said Letters Patent, when granted, to said Assignee. Further, it is agreed that, when requested, without charge to but at the expense of said Assignee, the undersigned will execute all divisional, continuing, substitute, renewal; and reissue patent applications; execute all rightful other papers; and generally do everything possible which said Assignee shall consider desirable for aiding in securing and maintaining proper patent protection. Kanagawa-ken, Japan Signed at Oo te 16th 1990 day of May -INVENTOR(S): Satoshi Kohno
Satoshi Kono
Shizuaki Hidaka
Shizuaki Hidaka
Totau. Tokoh ochi Inventor(s) signature(s)



UNITED STALLS DEPARTMENT OF COMMERCE Patent and Trademark Office ASSISTANT SECRETARY AND COMMISSIONER OF PATENTS AND TRADEMARKS Washington, D.C. 20231

SEPTEMBER 02, 1996

PTAS



MARKS & MURASE, L.L.P. RONALD P. KANANEN, ESQ. 2001 L ST., NW SUITE 750 WASHINGTON, DC 20036

> UNITED STATES PATENT AND TRADEMARK OFFICE NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, NORTH TOWER BUILDING, SUITE 10C35, WASHINGTON, D.C. 20231.

RECORDATION DATE: 05/31/1996

REEL/FRAME: 7967/0627

NUMBER OF PAGES: 6

BRIEF: CHANGE OF NAME (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

ATSUGI UNISIA CORPORATION

DOC DATE: 03/01/1993

ASSIGNEE:

UNISIA JECS CORPORATION 1370 ONNA, ATSUGI-SHI KANAGAWA-KEN, JAPAN

SERIAL NUMBER: 08629547

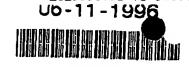
PATENT NUMBER:

FILING DATE: 04/09/1996

ISSUE DATE:

DOROTHY RILEY, EXAMINER ASSIGNMENT DIVISION OFFICE OF PUBLIC RECORDS

ATS-032/CON/REISSUE



U.S. DEPARTMENT OF COMMUNICATION

100208327

To the Honorable Commissioner of Patents and Trademarks: Please re	ecord the attached original documents or copy thereof.
1. Name of conveying party(ies)	2. Name and address of receiving party(ies)
ATSUGI UNISIA CORPORATION	Name: UNISIA JECS CORPORATION
Additional name(s) of conveying party(ies) attached Yes X No	Internal Address:
3. Nature of conveyance:	•
☐ Assignment ☐ Merger ☐ Security Agreement X Change of Name	Street 1370 Onna, Atsugi-shi Address:
Other	
Execution Date: March 1, 1993	City: Kanagawa-ken Country: JAPAN
	Additional name(s) & address(es) attached
4. Application number(s) or patent number(s):	
If the document is being filed together with a new application, the e	xecution date of the application is:
A. Patent Application No.(s) 08/629,547	1
Additional numbers a	Itached Yes No X
 Name and address of party to whom correspondence concerning document should be mailed: 	6. Total number of applications and patents involved: 1
Name: Ronald P. Kananen, Esq.	7. Total fee (37 CFR 3.41) \$ 40.00
Internal Address: Marks & Murase, L.L.P.	X Enclosed
Suite 750	Authorized to be charged to deposit account
Street Address: 2001 L Street, N.W. City: Washington State: D.C. Zip: 20036	8. Deposit account number: 23-0978
	(Attach duplicate copy of this page if paying by deposit account)
080 B5 06/10/96 08/29547	
9. Statement and signature: To the best of my knowledge and belief, the foregoing information is document.	40.00 CK
RONALD P. KANANEN Name of Person Signing	May 31, 1996 Date Total number of pages comprising cover sheet 1
OMB No. 0861-0011 (emp. 4/94)	

DECLARATION

I, TAKASHI JONO of 8-17, Ginza 2-chome, Chuo-ku, Tokyo, Japan do hereby solemnly and sincerely declare:

- 1. That I am well acquainted with the Japanese and English languages, and
- 2. That the attached document: Certified Copy of the Excerpt of Commercial Registry of UNISIA JECS CORPORATION is a true translation into the English language.

And I make this solemn declaration conscientiously believing the same to be true and correct.

Takashi Iono

This document was subscribed before me

by the above-named person(s) on this day

APR 9 1996

(Notary Public)
RYOH IMAI

RYON IMAI NOTARY

NO. 1-1, 2-CHOME ECHISAIWAICHO CHIYGDAKU TGRYO IAPAN



TRANSLATION OF A CERTIFIED COPY OF EXTRACT OF COMMERCIAL REGISTRY

1. Trade Name:

UNISIA JECS CORPORATION

1. Head Office:

1370 Onna, Atsugi-shi, Kanagawa-ken, Japan

1. Address and name of Representative Director:

(Address) 18-15, Hyogozuka 1-chome, Utsunomiya-shi, Tochigi-ken, Japan

(Name)

Kouichrou Touda

1. Matter re Change of Trade Name

(from) ATSUGI UNISIA CORPORATION

(to) UNISIA JECS CORPORATION

Date of Change: March 1, 1993

Date of Registration: March 1, 1993

The above is a true copy of the excerpt of the Commercial Registry.

Dated April 8, 1996
Atsugi Branch of
Yokohama District Legal Affairs Bureau
Registrar: Masao Zama (Seal)

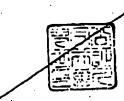


平成 8 年登舞第 5 95 号

認

証

嘱託人 媒野 喬 は、本公証人の面前で、別添文書に 署名した。



よつて、これを認証する。

証

明

上記署名は、東京法務局所属公証人の署名に相違ないものであり、かつ、その押印は、真実のものであることを証明する。

平成 8 年 4 月 9 日

東京法務局長 平本喜禄

CERTIFICATE

This is to certify that the signature affixed above has been provided by Notary, duly authorized by the Tokyo Legal Affairs Bureau and that the Official Seal appearing on the same is genuine.

Date APR 9 1996

Noburged REMANIOTO
Director of the Tokyo Legal Affairs Bureau

APOSTILLE

(Convention de La Haye du 5 octobre 1961)

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Takeo SAITO

For the Minister for Foreign Affairs

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上記は登記簿の抄本である。

平成8年4月8日 橫浜地方法務局時本交局 登記官 座 間 正 雄



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